



CONCRETE

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**Compression and Flexural Testing Machines** 

GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINE

# EN 772-1 and GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINES FOR MASONARY UNITS/BLOCKS, CYLINDERS AND CUBES

### Product Code

UTC-4609EG.SLP 600 kN EN 772-1 and General Purpose Semi-Automatic Compression Testing Machines for Masonary Units/ Blocks, Cylinders And Cubes UTC-4709EG.SLP 1100 kN EN 772-1 and General Purpose Semi-Automatic Compression Testing Machines for Masonary Units/ Blocks, Cylinders And Cubes UTC-0210 High Precision Pressure Transducer and Electronic UTC-4682 Pedestal for 1500 kN, 2000kN and 3000 kN Compression Testing Frames with Welded Walls UTC-4680 Pedestal for 600 kN (135000 lbf), 1100 kN (245000 lbf) and 1500 kN (335000 lbf) Compression Testing Frames

#### Product Code

EN 772-1

Models for 220-240V 50-60 Hz, 1 ph.			
UTC-4714GE.SLP	UTC-4729GE.SLP	UTC-4739GE.SLP	
Models for 110-120V 60 Hz, 1 ph.			
UTC-4714GE.SLP-N	UTC-4729GE.SLP-N	UTC-4739GE.SLP-N	



UTC - 4709EG.SLP

UTC-4609EG.SLP and UTC-4709EG.SLP models Semi-Automatic Compression Testing Machines are manufactured for compression testing of masonary units/ blocks, cylinders and cubes.

These machines also meet the requirements of CE norms with respect to the he

alth and safety of the operator. And their user-friendly

design enable an inexperienced operator to perform the test.

The Semi-Automatic Compression Machines consist of a welded frame (see table), hydraulic power pack (UTC-4820)

with LPI battery operated digital readout unit (UTC-4920LP).

UTC-4680 Pedestal that is made of steel to facilitate the user's placement of specimens in the frame for compression test should be ordered separately.

Safety Features

• Maximum pressure valves to avoid machine overloading • Limit switch for piston stroke

Removable transparent front and rear safety doors

### Main Features

- Load Accuracy Class 1 starting from with the 5% of the machine capacity (Special calibration option starting from 1% of the full range with UTC-0210)

• 1 channel with two different calibration table, test parameters and specimen information (by changing the sensor belong to other frame, the unit can be control for second test frame)

- Multi-point calibration
- Real time numeric display of load and load pressure
- Peak hold property

• Welded steel walled frame with lower and upper (shpericallyseated) loading platens

- · Load measurment with a pressure transducer
- Hydrolic pump with dual stage for rapid approach
- RS232 Serial port for PC or thermal or dot matrix printer

• Free of charge Utest software for compression/flexture testing machines (USOFT-4820.SLP) for compression, flexture, splitting tensile strength tests of construction materials such as concrete,

cement, brick/masonary units

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GENERAL PURPOSE SEMI-AUTOMATIC COMPRESSION TESTING MACHINE

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Models	UTC-4609EG.SLP	UTC-4709EG.SLP	
Capacity	600 kN	1100 kN	
Frame Type	Welded Steel	Welded Steel	
Bearing Platens Dimensions (D)	310x510x50 mm	310x510x50 mm	
Upper Bearing Block, (With Spherically Seating Assembly ) Dimensions (C)	310x510x50 mm	310x510x50 mm	
Surface Hardness of Bearing Blocks	55 HRC	55HRC	
Flatness Tolerance	0,05 mm	0,05 mm	
Piston Diameter	230 mm	230 mm	
Piston Stroke	50 mm	50 mm	
Maximum Vertical Clearance Between Bearing Blocks (E)	330 mm	330 mm	
Horizontal Clearance (B)	320 mm	320 mm	
	up to 300x500 mm masonary units/blocks		
For Cylinder (up to) Specimens Sizes	up to Ø160x32	20 mm cylinders	
	200 mm cubes		
Power	550 W	550 W	
Oil Capacity	20 L	20 L	
Maximum Working Pressure	150 Bar	150 Bar	
Dimensions (wxlxh) (Axd*xF)	680x550x750mm	680x550x750mm	
Weight	690 kg	690 kg	
Pedestal (UTC-4682)	UTC-4680	UTC-4680	



(d\*) Depth (\*\*) Limited by capacity of the frame

The machines are supplied complete with;

- 100 mm, 50 mm, 30 mm height x Ø205 mm distance pieces
- Scissor Jack for Loading Platens/Bearing Blocks, (UTC-4629
- Removable transparent front and rear safety doors



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